

## Proposed Core 40 Math Pathways for Indiana High School Students

February 24, 2015

Grade Level	Pathway #1	Pathway #2	Pathway #3	Pathway #4	Pathway #5
<b>Grade 8</b>	Algebra I	N/A	N/A	N/A	N/A
<b>Grade 9</b>	Algebra II OR Geometry	Algebra I	Algebra I*	Algebra I* (passed)	Algebra I* (failed)
<b>Grade 10</b>	Algebra II OR Geometry	Algebra II OR Geometry	Geometry	Math 10**	Algebra I (retake) AND Math 10**
<b>Grade 11</b>	Pre-Calculus OR Quantitative Reasoning	Algebra II OR Geometry	Quantitative Reasoning OR Industry/Tech Math	Quantitative Reasoning OR Industry/Tech Math	Quantitative Reasoning OR Industry/Tech Math
<b>Grade 12</b>	AP Calculus OR Pre-Calculus	Pre-Calculus OR Quantitative Reasoning	Quantitative Reasoning OR Industry/Tech Math	Quantitative Reasoning OR Industry/Tech Math	Quantitative Reasoning OR Industry/Tech Math
	Current Academic Honors & Core 40 Students ~90% of all Indiana Students		Current General Diploma Students ~10% of all Indiana Students		

\* **Algebra I** course could be offered with or without supplemental **Math Lab** support, based on students' past academic performance

\*\* **Math 10** (actual title TBD) would be comprised of ~60% Algebra, 20% Geometry and 20% Basic Statistics, Measurement, etc.

### RELATED NOTES:

- 1) **Diplomas:** Options would include: **Core 40** Diploma, **Core 40 with Honors** or a **Certificate of Completion with a Career Pathway** (alternative for students with special needs). The current General Diploma would be phased out.
- 2) **Credit Requirements:** Indiana students would be expected to take math all four years of high school (minimum 8 credits) but would be required to earn 6 credits to graduate with a Core 40 diploma.
- 3) **Math 10** and **Quantitative Reasoning** would be new Core 40 math courses.
- 4) **Integrated Math 1, 2 and 3** would be an acceptable alternative to Algebra I, Geometry, Algebra II pathway sequence.
- 5) **Industry/Tech Math** would include such courses as Accounting, Business Math, etc.